

**KEMET Part Number: C0402C104K8RACTU**  
(C0402C104K8RAC7867)

Ceramic, Commercial-(CxxxxC), 0.1 uF, 10%, 10 V, 0402, X7R, SMD, MLCC, Temperature Stable, Class II



| Dimensions |                 |
|------------|-----------------|
| L          | 1mm +/-0.05mm   |
| W          | 0.5mm +/-0.05mm |
| T          | 0.5mm +/-0.05mm |
| S          | 0.3mm MIN       |
| B          | 0.3mm +/-0.1mm  |

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging:               | T&R, 180mm, Paper Tape |
| Packaging Quantity:      | 10000                  |

| General Information |  |
|---------------------|--|
| Style:              | SMD Chip   |
| Series:             | Commercial-(CxxxxC)  |
| Chip Size:          | 0402   |
| Description:        | SMD, MLCC, Temperature Stable, Class II                                |
| Features:           | Temperature Stable, Class II   |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| Failure Rate:       | N/A  |
| Miscellaneous:      | Note: Referee time for X7R dielectric for this part number is 48 hours |

| Specifications                   |                     |
|----------------------------------|---------------------|
| Capacitance:                     | 0.1 uF              |
| Capacitance Tolerance:           | 10%                 |
| Voltage DC:                      | 10 VDC              |
| Dielectric Withstanding Voltage: | 25 V                |
| Temperature Range:               | -55/+125C           |
| Temperature Coefficient:         | X7R                 |
| Dissipation Factor:              | 5%                  |
| Aging Rate:                      | 3% Loss/Decade Hour |
| Insulation Resistance:           | 5 GOhms             |